

Refine Search

Search Results -

Terms	Documents
L8 and (dimethicone or tricaprolin or tricaprln or tricaprylin or bisabolol or polyoxyethylene)	18

Database:

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 US OCR Full-Text Database
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 IBM Technical Disclosure Bulletins

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<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L9</u>	L8 and (dimethicone or tricaprolin or tricaprln or tricaprylin or bisabolol or polyoxyethylene)	18	<u>L9</u>
<u>L8</u>	(dead adj1 sea)	430	<u>L8</u>
<u>L7</u>	L6 and alginate	17	<u>L7</u>
<u>L6</u>	L5 and (propylene adj1 glycol)	34	<u>L6</u>
<u>L5</u>	L4 and (lauric or palmitic or stearic or oleic)	49	<u>L5</u>
<u>L4</u>	L3 and (dimethicone or tricaprolin or tricaprln or tricaprylin or bisabolol or polyoxyethylene)	81	<u>L4</u>
<u>L3</u>	lotion same (sodium adj1 chloride)	217	<u>L3</u>
<u>L2</u>	lotion same (salt)	4117	<u>L2</u>
<u>L1</u>	lotion same (dead adj1 sea)	8	<u>L1</u>

END OF SEARCH HISTORY

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

End of Result Set



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L7: Entry 17 of 17

File: USPT

Jun 1, 1993

DOCUMENT-IDENTIFIER: US 5215759 A

TITLE: Cosmetic composition

Abstract Text (1):

A cosmetic composition according to the present invention comprises: water, and emulsified and dispersed in the water: (1) a moisturizing component comprising: (a) hydrophilic microcapsules and (b) lipophilic microcapsules comprising: glycosphingolipids, phospholipids, cholesterol, at least one long-chain saturated fatty acid selected from the group consisting of myristic acid, palmitic acid, stearic acid, and arachidic acid, squalane, a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof, and octyldodecanol; (2) a short-chain fatty acid ester of tocopherol; (3) a glyceryl ester complex; (4) Aloe vera gel; and (5) chamomile extract. Each of these ingredients is present in a cosmetically effective quantity. The proportion of hydrophilic microcapsules to lipophilic microcapsules in the moisturizing component is from about 2:3 to about 3:2. The composition preferably further comprises microcapsules comprising methylsilanol elastinate for firming activity, and can additionally comprise caffeine plus microcapsules comprising methylsilanol theophyllinacetate alginate and methylsilanol mannuronate for anti-cellulite activity, along with a number of plant extracts and plant extract-miscible components. A cosmetic composition according to the present invention can further comprise ancillary components.

Brief Summary Text (22):(7) propylene glycol; andBrief Summary Text (27):(4) at least one long-chain saturated fatty acid selected from the group consisting of myristic acid, palmitic acid, stearic acid, and arachidic acid;Brief Summary Text (31):

A cosmetic composition according to the present invention can further comprise microcapsules comprising methylsilanol elastinate present in a cosmetically effective quantity. Alternatively, the composition can further comprise caffeine and either microcapsules comprising methylsilanol theophyllinacetate alginate or microcapsules comprising methylsilanol theophyllinacetate alginate and methylsilanol mannuronate, the caffeine and the microcapsules each being present in a cosmetically effective quantity. The composition can comprise both: (1) microcapsules comprising methylsilanol elastinate and (2) caffeine and microcapsules comprising methylsilanol theophyllinacetate alginate and methylsilanol mannuronate.

Brief Summary Text (32):

When the composition comprises caffeine and microcapsules comprising both methylsilanol theophyllinacetate alginate and methylsilanol mannuronate, it preferably further comprises a mixture of plant extracts and plant extract-miscible components comprising: witch hazel; horsetail extract; ivy extract; capsicum extract; a vegetal amino complex comprising from about 25% to about 35% of butcher

broom extract, about 25% to about 35% of propylene glycol, about 5% to about 15% each of hydrocotyl extract, horse chestnut extract, and panthenol, about 4% to about 8% of calendula extract, and about 3% to about 6% of yeast extract; and comfrey extract, as well as a long-chain saturated fatty acid ester of ascorbic acid. Both the mixture of plant extracts and plant extract-miscible components and the ester of ascorbic acid are present in a cosmetically effective quantity.

Brief Summary Text (33):

The hydrophilic microcapsules, the lipophilic microcapsules, the short-chain fatty acid ester of tocopherol, the glyceryl ester complex, the Aloe vera gel, and the chamomile extract, as well as the microcapsules comprising methylsilanol elastinate or the caffeine and the microcapsules comprising methylsilanol theophyllinacetate alginate, alone or with methylsilanol mannuronate, the mixture of plant extracts and plant-extract miscible components, and the ester of ascorbic acid are all designated the cosmetic components.

Brief Summary Text (37):

Preferably, the moisturizing component comprises from about 0.5% to about 3% of the composition, the short-chain fatty acid ester of tocopherol comprises from about 0.05% to about 1% of the composition, the glyceryl ester complex comprises from about 0.05% to about 2.5% of the composition, the Aloe vera gel comprises from about 0.1% to about 1% of the composition, and the chamomile extract comprises from about 0.1% to about 1% of the composition. When microcapsules comprising methylsilanol elastinate are present, they preferably comprise from about from about 0.5% to about 3% of the composition. When caffeine plus microcapsules comprising methylsilanol theophyllinacetate alginate and methylsilanol alginate are present, the caffeine preferably comprises from about 0.5% to about 2% of the composition and the microcapsules comprising methylsilanol theophyllinacetate alginate and methylsilanol mannuronate preferably comprise from about 3% to about 7% of the composition. Preferably, the microcapsules comprising methylsilanol theophyllinacetate alginate and methylsilanol mannuronate comprise from about 40% to about 60% methylsilanol theophyllinacetate and from about 40% to about 60% methylsilanol mannuronate.

Brief Summary Text (44):

(e) from about 1% to about 5% each of glycogen, urea, propylene glycol, and sodium chloride;

Brief Summary Text (49):

(b) from about 1% to about 5% each of stearic acid, palmitic acid, squalane, and a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof;

Brief Summary Text (64):

(iv) about 1% to about 5% each of glycogen, urea, propylene glycol, and sodium chloride;

Brief Summary Text (70):

(ii) about 1% to about 5% each of stearic acid, palmitic acid, squalane, and a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof;

Brief Summary Text (75):

(4) about 2.1% to about 2.9% of a complex of propylene glycol, phenoxyethanol, chlorphenesin, and methylparaben, wherein the propylene glycol comprises from about 30% to about 45% of the complex, the phenoxyethanol comprises from about 22% to about 37% of the complex, the chlorphenesin comprises from about 11% to about 22% of the complex, and the methylparaben comprises from about 11% to about 22% of the complex;

Brief Summary Text (82):

(11) about 17% to about 23% of a complex comprising disodium cocoamphodiacetate, sodium lauryl sulfate, sodium laureth sulfate, and propylene glycol;

Brief Summary Text (95):

(iv) about 1% to about 5% each of glycogen, urea, propylene glycol, and sodium chloride;

Brief Summary Text (101):

(ii) about 1% to about 5% each of stearic acid, palmitic acid, squalane, and a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof;

Brief Summary Text (112):

(10) about 0.15% to about 0.25% of dimethicone;

Brief Summary Text (116):

(14) about 2.1% to about 2.9% of a complex of propylene glycol, phenoxyethanol, chlorphenesin, and methylparaben, wherein the propylene glycol comprises from about 30% to about 45% of the complex, the phenoxyethanol comprises from about 22% to about 37% of the complex, the chlorphenesin comprises from about 11% to about 22% of the complex, and the methylparaben comprises from about 11% to about 22% of the complex;

Brief Summary Text (117):

(15) about 4.25% to about 5.75% of propylene glycol;

Brief Summary Text (130):

(iv) from about 1% to about 5% each of glycogen, urea, propylene glycol, and sodium chloride;

Brief Summary Text (136):

(ii) from about 1% to about 5% each of stearic acid, palmitic acid, squalene, and a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof; and

Brief Summary Text (146):

(a) from about 40% to about 60% methylsilanol theophyllinacetate alginate; and

Brief Summary Text (153):

(13) from about 0.85% to about 1.15% of a vegetal amino complex comprising from about 25% to about 35% of butcher broom extract, from about 25% to about 35% of propylene glycol, from about 5% to about 15% each of hydrocotyl extract, horse chestnut extract, and panthenol, from about 4% to about 8% of calendula extract, and from about 3% to about 6% of yeast extract;

Detailed Description Text (3):

Preferably, a cosmetic composition according to the present invention further comprises in a cosmetically effective quantity: (1) microcapsules comprising methylsilanol elastinate to exert firming activity or (2) caffeine and microcapsules exerting anti-cellulite activity. The microcapsules exerting anti-cellulite activity preferably comprise methylsilanol theophyllinacetate alginate and methylsilanol mannuronate in water; less preferably, microcapsules comprising methylsilanol theophyllinacetate alginate alone in water can be used to exert anti-cellulite activity. The composition can comprise both microcapsules exerting firming activity and microcapsules exerting anti-cellulite activity. When the composition comprises microcapsules exerting anti-cellulite activity, it preferably further comprises a mixture of plant extracts and plant extract-miscible components comprising: (1) witch hazel; (2) horsetail extract; (3) ivy extract; (4) capsicum extract; (5) a vegetal amino complex comprising from about 25% to about 35% of

butcher broom extract, about 25% to about 35% of propylene glycol, about 5% to about 15% each of hydrocotyl extract, horse chestnut extract, and panthenol, about 4% to about 8% of calendula extract, and about 3% to about 6% of yeast extract; and (6) comfrey extract. It preferably further comprises a long-chain saturated fatty acid ester of ascorbic acid. Each component of the mixture of plant extracts and plant extract-miscible components is present in a cosmetically effective quantity, as is the long-chain fatty acid ester of ascorbic acid.

Detailed Description Text (8):

The cosmetic components include: (1) hydrophilic microcapsules; (2) lipophilic microcapsules; (3) a short-chain fatty acid ester of tocopherol; (4) a glyceryl ester complex; (5) Aloe vera gel; (6) chamomile extract; (7) optionally, microcapsules comprising methylsilanol elastinate; (8) optionally, caffeine plus either (a) microcapsules comprising methylsilanol theophyllinacetate alginate and methylsilanol mannuronate; or, less preferably, (b) microcapsules comprising methylsilanol theophyllinacetate alginate alone; (9) preferably, when the composition comprises microcapsules comprising methylsilanol theophyllinacetate alginate and methylsilanol mannuronate, a mixture of plant extracts and other plant extract-miscible components comprising: (a) witch hazel; (b) horsetail extract; (c) ivy extract; (d) capsicum extract; (e) a vegetal amino complex comprising from about 25% to about 35% of butcher broom extract, about 25% to about 35% of propylene glycol, about 5% to about 15% each of hydrocotyl extract, horse chestnut extract, and panthenol, about 4% to about 8% of calendula extract, and about 3% to about 6% of yeast extract; (f) comfrey extract; and (10) preferably, when the composition comprises microcapsules comprising methylsilanol theophyllinacetate alginate and methylsilanol mannuronate, a long-chain saturated fatty acid ester of ascorbic acid.

Detailed Description Text (11):

The hydrophilic microcapsules preferably comprise in water: (1) glycerin; (2) chitin; (3) sodium lactate; (4) sodium chloride; (5) sodium pyrrolidone carboxylate; (6) glycogen; (7) urea; (8) propylene glycol; and (9) at least one amino acid selected from the group consisting of glycine, arginine, lysine, histidine, and ornithine. Optionally, the hydrophilic microcapsules can further comprise: (10) placental protein; and (11) at least one preservative component selected from the group consisting of phenoxyethanol, chlorphenesin, and methylparaben. Preferably, all of the amino acids glycine, arginine, lysine, histidine, and ornithine are present in the hydrophilic microcapsules. Preferably all of phenoxyethanol, chlorphenesin, and methylparaben are also present in the hydrophilic microcapsules.

Detailed Description Text (12):

A preferred range of compositions for the hydrophilic microcapsules is as follows: glycerin, from about 20% to about 40%; chitin, from about 10% to about 20%; sodium lactate and sodium pyrrolidone carboxylate, from about 5% to about 15% each; glycogen, urea, propylene glycol, and sodium chloride, from about 1% to about 5% each; glycine, arginine, lysine, histidine, ornithine, placental protein, phenoxyethanol, and chlorphenesin, up to about 1% each; methylparaben, up to about 0.5%; and water, from about 15% to about 25%.

Detailed Description Text (15):

The lipophilic microcapsules preferably comprise: (1) octyldodecanol; (2) glycosphingolipids; (3) phospholipids; (4) cholesterol; (5) at least one long-chain saturated fatty acid selected from the group consisting of myristic acid, palmitic acid, stearic acid, and arachidic acid; (6) squalane; (7) a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof; and (8) optionally, a diglyceryl succinate of a medium-chain fatty acid selected from the group consisting caprylic acid, capric acid, and mixtures thereof.

Detailed Description Text (18):

Preferably, the long-chain fatty acids are palmitic acid and stearic acid. A preferred range of compositions for the lipophilic microcapsules is: octyldodecanol, from about 60% to about 80%; glycosphingolipids, phospholipids, and cholesterol, from about 5% to about 15% each; stearic acid, palmitic acid, squalane, and C.sub.10 -C.sub.30 carboxylic acid ester of a sterol, from about 1% to about 5% each; and the diglyceryl succinate of a medium-chain fatty acid, up to about 1%.

Detailed Description Text (30):

8. The Methylsilanol Theophyllinacetate Alginate Microcapsules

Detailed Description Text (31):

A cosmetic composition according to the present invention can comprise microcapsules comprising an aqueous solution of methylsilanol theophyllinacetate alginate. It is believed that microcapsules containing methylsilanol theophyllinacetate alginate exert an anti-cellulite action upon the skin. Preferably, the microcapsules further comprise an aqueous solution of methylsilanol mannuronate; most preferably, the microcapsules comprise from about 40% to about 60% of methylsilanol theophyllinacetate alginate and about 40% to about 60% of methylsilanol mannuronate. If present, the microcapsules comprising methylsilanol theophyllinacetate alginate and methylsilanol mannuronate preferably comprise from about 3% to about 7% of the composition.

Detailed Description Text (32):

In a less preferred alternative, the composition can comprise microcapsules comprising an aqueous solution of methylsilanol theophyllinacetate alginate alone. If used, these microcapsules can comprise from about 0.5% to about 3% of the composition.

Detailed Description Text (34):

The cosmetic composition according to the present invention comprising microcapsules containing an aqueous solution of methylsilanol theophyllinacetate alginate, whether alone or with methylsilanol mannuronate, further comprises caffeine in a cosmetically effective quantity. The caffeine preferably comprises from about 0.5% to about 2% of the composition.

Detailed Description Text (36):

When the composition comprises microcapsules containing methylsilanol theophyllinacetate alginate and methylsilanol mannuronate, it preferably further comprises a mixture of plant extracts and other components comprising: (1) witch hazel; (2) horsetail extract; (3) ivy extract; (4) capsicum extract; (5) a vegetal amino complex comprising from about 25% to about 35% of butcher broom extract, about 25% to about 35% of propylene glycol, about 5% to about 15% each of hydrocotyl extract, horse chestnut extract, and panthenol, about 4% to about 8% of calendula extract, and about 3% to about 6% of yeast extract; and (6) comfrey extract, each in a cosmetically effective quantity. A suitable vegetal amino complex is LS-2376, marketed by Lab Serobiologique, Somerville, N.J. Most preferably, the composition comprises from about 4.25% to about 5.75% of witch hazel, about 0.85% to about 1.15% of horsetail extract, about 0.85% to about 1.15% of ivy extract, about 2.55% to about 3.45% of capsicum extract, about 0.85% to about 1.15% of vegetal amino complex, and about 0.85% to about 1.15% of comfrey extract.

Detailed Description Text (38):

When the composition comprises microcapsules containing methylsilanol theophyllinacetate alginate and methylsilanol mannuronate, it preferably further also comprises a long-chain fatty acid ester of ascorbate. The long-chain fatty acid ester of ascorbate can be selected from the group consisting of ascorbyl myristate, ascorbyl palmitate, ascorbyl stearate, and mixtures thereof. Preferably,

the long-chain fatty ester of ascorbate is ascorbyl palmitate. Most preferably, the composition contains from about 0.01% to about 0.03% of ascorbyl palmitate.

Detailed Description Text (43):

The cosmetic composition can comprise a solvent component for greater uniformity and ease of preparation. The solvent component can be selected from the group consisting of propylene glycol, 1,3-butylene glycol, and mixtures thereof. In one composition according to the present invention, intended for use as an exfoliating body slougher, the solvent component is preferably 1,3-butylene glycol and most preferably comprises about 2.55% to about 3.45% of the composition. In a second composition according to the present invention, intended for use as a moisturizing body lotion, the solvent component is preferably propylene glycol and most preferably comprises about 4.25% to about 5.75% of the composition.

Detailed Description Text (45):

The composition can further comprise a preservative component to retard microbial and mold growth in the composition, which is typically manufactured under clean but non-sterile conditions. The preservative component can comprise either: (1) a complex of propylene glycol, phenoxyethanol, chlorphenesin, and methylparaben; or (2) a complex of phenoxyethanol, methylparaben, ethylparaben, propylparaben, and butylparaben.

Detailed Description Text (46):

In the complex of propylene glycol, phenoxyethanol, chlorphenesin, and methylparaben, the propylene glycol comprises from about 30% to about 45% of the complex, the phenoxyethanol comprises from about 22% to about 37% of the complex, the chlorphenesin comprises from about 11% to about 22% of the complex, and the methylparaben comprises from about 11% to about 22% of the complex. A suitable complex of propylene glycol, phenoxyethanol, chlorphenesin, and methylparaben is available as Elestab 388 from Lab Serobiologique of Somerville, N.J. In the compositions according to the present invention intended for use as an exfoliating body slougher and as a moisturizing body lotion, this complex preferably comprises from about 2.1% to about 2.9% of the composition.

Detailed Description Text (51):

A cosmetic composition according to the present invention can further comprise an emulsifier component for greater homogeneity of the composition. The emulsifier can comprise at least one of: (a) a complex of disodium cocoamphodiacetate, sodium lauryl sulfate, sodium laureth sulfate, and propylene glycol; and (b) a complex of disodium cocoamphodiacetate, sodium trideceth sulfate, and hexylene glycol. In the exfoliating body slougher, the emulsifier component preferably comprises both complexes.

Detailed Description Text (52):

A suitable complex of disodium cocoamphodiacetate, sodium lauryl sulfate, sodium laureth sulfate, and propylene glycol is marketed by Rhone-Poulenc, Inc. of Dayton, N.J., under the name of "Miranol 2 MCT." This complex contains from about 20% to about 30% of disodium cocoamphodiacetate, about 7% to about 15% of sodium lauryl sulfate, about 5% to about 10% of sodium laureth sulfate, about 7% to about 15% of propylene glycol, and about 40% to about 60% of water.

Detailed Description Text (63):

The lipid-soluble component can comprise at least one of the following ingredients: (a) steareth-2; (b) steareth-21; (c) methylgluceth-20 sesquistearate; (d) cetyl alcohol; (e) jojoba oil; (f) benzoic acid ester of C.sub.12 -C.sub.15 alcohols; (g) PPG-14 butyl ether; (h) PPG-15 stearyl ether; (i) dimethicone; (j) a complex of sphingolipids, phospholipids, and octyldodecanol; (k) a complex of glyceryl stearate and PEG-100 stearate; (l) PPG-1-isoceteth-3-acetate; (m) laureth-2-benzoate; (n) diisostearyl dimer dilinoleate; (o) a long-chain cis-monounsaturated fatty acid ester of a medium-chain alcohol; (p) a medium-chain saturated fatty acid

ester of a long-chain alcohol; and (q) a long-chain fatty acid ester of glycerol.

Detailed Description Text (64):

Steareth-2 is polyoxyethylene (2) stearyl ether with 0.01% butylated hydroxyanisole and 0.005% citric acid added as preservatives. Similarly, steareth-21 is polyoxyethylene (21) stearyl ether with 0.01% butylated hydroxyanisole and 0.005% citric acid. Methylgluceth-20 sesquistearate is the 20-propoxylate of methylglucoside and has a cyclohexane ring structure.

Detailed Description Text (68):

For the moisturizing body lotion, the lipid-soluble component preferably comprises steareth-2; steareth-21; methylgluceth-20 sesquistearate; cetyl alcohol; jojoba oil; benzoic acid ester of C.sub.12 -C.sub.15 alcohols; PPG-14 butyl ether; dimethicone; the complex of sphingolipids, phospholipids, and octyldodecanol; and PPG-15 stearyl ether. Most preferably, the steareth-2, steareth-21, cetyl alcohol, and PPG-14 butyl ether each comprise from about 1.7% to about 2.3% of the composition; the methylgluceth-20 sesquistearate comprises from about 0.4% to about 0.6% of the composition; the jojoba oil and the PPG-15 stearyl ether each comprise from about 3.4% to about 4.6% of the composition; the benzoic acid ester of C.sub.12 -C.sub.15 alcohols comprise about 5.5% to about 7.5% of the composition; the dimethicone comprises from about 0.15% to about 0.25% of the composition; and the complex of sphingolipids, phospholipids, and octyldodecanol comprises about 2.55% to about 3.45% of the composition.

Detailed Description Text (88):

Mixture I (demineralized water; 1,3-butylene glycol; the complex of propylene glycol, phenoxyethanol, chlorphenesin, and methylparaben; and trisodium EDTA) is introduced into a steam-jacketed stainless steel kettle equipped with a high-speed mixer such as a Lightnin'.TM. mixer and heated to 60.degree. C. with vigorous mixing until clear. The temperature and mixing are maintained.

Detailed Description Text (92):

Mixture V (the complex of disodium cocoamphodiacetate, sodium lauryl sulfate, sodium laureth sulfate, and propylene glycol; polyquaternium-6; and demineralized water) is mixed together separately with a high-speed mixer such as a Lightnin'.TM. mixture until clear, then added to the batch kettle at 40.degree. C. with fast speed homogenization mixing and slow speed sweep mixing until uniform. Temperature and mixing are maintained.

Detailed Description Text (98):

Mixture II (demineralized water and the complex of propylene glycol, phenoxyethanol, chlorphenesin, and methylparaben) is charged into a steam-jacketed stainless steel kettle large enough to hold the entire batch and heated to 70.degree.-75.degree. C. with moderate sweep mixing until clear. Temperature and mixing are maintained.

Detailed Description Text (100):

Mixture III (propylene glycol and xanthan gum) is pre-mixed to form a slurry, then added to the batch kettle at 70.degree.-75.degree. C. with fast speed homogenization mixing and slow sweep mixing for 30 min. until uniform. Homogenization mixing is then discontinued, and cooling of the batch is begun to 40.degree.-45.degree. C. with moderate sweep mixing; cooling is at a rate of 1.degree. C./3 min.

Detailed Description Paragraph Table (1):

TABLE I	INGREDIENTS OF A PREFERRED COSMETIC COMPOSITION ACCORDING TO THE PRESENT INVENTION (EXFOLIATING BODY SLOUGHER)
Range Component Percentage	I Demineralized Water 16.50-22.50 I 1, 3-Butylene Glycol 2.55-3.45 I Complex of <u>Propylene Glycol</u> , 2.10-2.90 Phenoxyethanol, Chlorphenesin, and Methylparaben I Trisodium EDTA 0.01-

0.10 II Magnesium Aluminum Silicate 2.40-3.20 III Complex of Glyceryl Stearate and 11.50-15.50 PEG-100 Stearate III Tocopheryl Acetate 0.05-0.15 III Complex of Glyceryl Linoleate, 0.05-0.15 Glyceryl Linolenate, and Glyceryl Arachidonate IV Complex of Disodium 13.60-18.40 Cocoamphodiacetate, Sodium Trideceth Sulfate, and Hexylene Glycol V Complex of Disodium 17.00-23.00 Cocoamphodiacetate, Sodium Lauryl Sulfate, Sodium Laureth Sulfate, and Propylene Glycol V Polyquaternium-6 0.35-0.65 V Demineralized Water 0.85-1.15 VI Aloe vera Gel 0.35-0.65 VII Hydrophilic Microcapsules 0.50-3.00 Comprising Glycerin, Chitin, Sodium Lactate, Sodium Pyrrolidone Carboxylic Acid, Glycogen, Urea, Propylene Glycol, Sodium Chloride, Glycine, Arginine, Lysine, Histidine, Ornithine, Placental Protein, Chlorphenesin, Methylparaben, and Water VII Hydrophobic Microcapsules 0.50-3.00 Comprising Glycosphingolipids, Phospholipids, Cholesterol, Stearic acid, Palmitic acid, Squalane, C.sub.10 -C.sub.30 Cholesterol/ Lanosterol Esters, Caprylic/ Capric Diglycerol Succinate, and Octyldodecanol VII Firming Microcapsules Comprising 0.50-3.00 Methylsilanol Elastinate and Water VIII Fragrance 0.35-0.65 IX Polyethylene 12.00-16.00 X FD&C Blue No. 1 0.001-0.05

Detailed Description Paragraph Table (2):

TABLE II INGREDIENTS OF A PREFERRED COSMETIC COMPOSITION ACCORDING TO THE PRESENT INVENTION (MOISTURIZING BODY LOTION) Mixture
 Range Component Percentage I Tocopheryl
 Acetate 0.40-0.60 I Steareth-2 1.70-2.30 I Steareth-21 1.70-2.30 I Methylgluceth-20 Sesquistearate 0.40-0.60 I Cetyl Alcohol 1.70-2.30 I Jojoba Oil 3.40-4.60 I Benzoic Acid Ester of C.sub.12 -Cu.sub.15 5.50-7.50 Alcohols I PPG-14 Butyl Ether 1.70-2.30 I Dimethicone 0.15-0.25 I Complex of Sphingolipids, 2.55-3.45 Phospholipids, and Octyldodecanol I Complex of Glyceryl Linoleate, 1.70-2.30 Glyceryl Linolenate, and Glyceryl Arachidonate PPG-15 Stearyl Ether 3.40-4.60 II Demineralized Water 42.40-57.40 II Complex of Propylene Glycol, 2.10-2.90 Phenoxyethanol, Chlorphenesin, and Methylparaben III Propylene Glycol 4.25-5.75 III Xanthan Gum 0.34-0.46 IV Demineralized Water 2.55-3.45 IV Complex of Dextran, Glycine, and 2.55-3.45 Glucosamine IV Glycosaminoglycan Complex 2.55-3.45 V Hydrophilic Microcapsules 0.50-3.00 comprising Glycerin, Chitin, Sodium Lactate, Sodium Pyrrolidone Carboxylic Acid, Glycogen, Urea, Propylene Glycol, Sodium Chloride, Glycine, Arginine, Lysine, Histidine, Ornithine, Placental Protein, Chlorphenesin, Methylparaben, and Water V Hydrophobic Microcapsules 0.50-3.00 Comprising Glycosphingolipids, Phospholipids, Cholesterol, Stearic Acid, Palmitic Acid, Squalane, C.sub.10 -C.sub.30 Cholesterol/ Lanosterol Esters, Caprylic/ Capric Diglycerol Succinate, and Octyldodecanol V Firming Microcapsules Comprising 0.50-3.00 Methylsilanol Elastinate and Water VI Aloe vera Gel 0.40-0.60 VI Chamomile Extract 0.40-0.60 VII Fragrance 0.20-0.40

Detailed Description Paragraph Table (3):

TABLE III INGREDIENTS OF A PREFERRED COSMETIC COMPOSITION ACCORDING TO THE PRESENT INVENTION (CELLULITE FIRMING GEL) PERCENTAGE MIXTURE COMPONENT RANGE
 I Caffeine 0.50-2.00 I Demineralized 35.20-47.60 Water II Cross Polymer of 0.73-0.98 Acrylates and C.sub.10 C.sub.30 Alkyl Acrylate III Witch Hazel 4.25-5.75 III Horsetail 0.85-1.15 Extract III Ivy Extract 0.85-1.15 III Chamomile 0.40-0.60 Extract III Capsicum 2.55-3.45 Extract III Vegetal Amino 0.85-1.15 Complex Comprising Butcher Broom Extract, Propylene Glycol, Hydrocotyl Extract, Horse Chestnut Extract, Panthenol, Calendula Extract, and Yeast Extract III Comfrey Extract 0.85-1.15 III Aloe vera Gel 0.40-0.60 III Anti-Cellulite 3.00-7.00 Microcapsules Comprising Methylsilanol Theophyllinacetate Alginate and Methylsilanol Mannuronate III Firming 0.50-3.00 Microcapsules Comprising Methylsilanol Elastinate and Water III Hydrophilic Microcapsules 0.50-3.00 Comprising Glycerin, Chitin Sodium Lactate, Sodium Pyrro- lidone Carboxylic Acid, Glyco- gen, Urea, Propylene Glycol, Sodium Chloride, Glycine, Arginine, Lysine, Histidine, Ornithine, Placental Protein, Phenoxyethanol, Chlorphenesin, Methylparaben, and Water III Hydrophobic 0.50-3.00 Microcapsules Comprising Glycosphingolipids, Phospholipids, Cholesterol, Stearic Acid, Palmitic Acid

Squalane, C.sub.10 -C.sub.30 Cholesterol/ Lanosterol Esters, Caprylic/ Capric Diglyceryl Succinate, and Octyldodecanol IV Carrageenan 0.35-0.55 IV Xanthan Gum 0.25-0.45 IV 1,3-Butylene Glycol 5.00-7.00 IV PPG-14 Isoceteth-3- 3.40-4.60 Acetate V Laureth-2-Benzoate 4.25-5.75 V Diisosteryl Dimer 1.25-1.75 Dilinoleate V Myristyl Octanoate 3.40-4.60 V Ascorbyl Palmitate 0.01-0.03 V Tocopheryl Acetate 0.40-0.60 V Complex of Glyceryl 0.40-0.60 Linoleate, Glyceryl Linolenate, and Glyceryl Arachidonate V Glyceryl Stearate 1.70-2.30 V Demineralized Water 7.20-9.80 VI Complex of Phenoxyethanol, 0.64-0.86 Methylparaben, Ethylparaben, Propylparaben, and Butylparaben VII Methylnicotinate 0.05-0.10 VII Triethanolamine 0.10-0.20 VIII Demineralized Water 0.10-0.20 IX Fragrance 0.20-0.60

CLAIMS:

1. A cosmetic composition comprising: water, and emulsified and dispersed in the water:

(a) a moisturizing component comprising:

(i) hydrophilic microcapsules comprising in water: (1) glycerin, (2) chitin, (3) sodium lactate, (4) sodium chloride, (5) sodium pyrrolidone carboxylate, (6) glycogen, (7) urea, (8) propylene glycol, and (9) at least one amino acid selected from the group of amino acids consisting of glycine, arginine, lysine, histidine, and ornithine; and

(ii) lipophilic microcapsules comprising (1) octyldodecanol, (2) glycosphingolipids, (3) phospholipids, (4) cholesterol, (5) at least one long-chain saturated fatty acid selected from the group consisting of myristic acid, palmitic acid, stearic acid, and arachidic acid, (6) squalene, and (7) a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof;

(b) a short-chain fatty acid ester of tocopherol selected from the group consisting of tocopheryl acetate, tocopheryl propionate, tocopheryl butyrate, and mixtures thereof;

(c) a glyceryl ester complex comprising at least one ingredient selected from the group consisting of glyceryl linoleate, glyceryl linolenate, and glyceryl arachidonate;

(d) Aloe vera gel; and

(e) chamomile extract;

the proportion of hydrophilic microcapsules to lipophilic microcapsules in the moisturizing component being from about 2:3 to about 3:2.

3. The cosmetic composition of claim 1 further comprising:

(f) caffeine; and

(g) microcapsules comprising methylsilanol theophyllinacetate alginate.

4. The cosmetic composition of claim 1 further comprising:

(f) microcapsules comprising in water:

(i) methylsilanol theophyllinacetate alginate; and

(ii) methylsilanol mannuronate; and

(g) caffeine;

5. The cosmetic composition of claim 2 further comprising:

(f) microcapsules comprising in water:

(i) methylsilanol theophyllinacetate alginate;

(ii) methylsilanol mannuronate; and

(g) caffeine.

11. The cosmetic composition of claim 3 further comprising:

(g) a mixture of plant extracts and plant extract-miscible components comprising:

(i) witch hazel;

(ii) horsetail extract;

(iii) ivy extract;

(iv) capsicum extract;

(v) a vegetal amino complex comprising from about 25% to about 35% of butcher broom extract; about 25% to about 35% of propylene glycol, about 5% to about 15% each of hydrocotyl extract, horse chestnut extract, and panthenol, about 4% to about 8% of calendula extract, and about 3% to about 6% of yeast extract; and

(vi) comfrey extract; and

(h) a long-chain saturated fatty acid ester of ascorbic acid.

12. The cosmetic composition of claim 4 further comprising:

(i) witch hazel;

(ii) horsetail extract;

(iii) ivy extract;

(iv) capsicum extract;

(v) a vegetal amino complex comprising from about 25% to about 35% of butcher broom extract; about 25% to about 35% of propylene glycol, about 5% to about 15% each of hydrocotyl extract, horse chestnut extract, and panthenol, about 4% to about 8% of calendula extract, and about 3% to about 6% of yeast extract; and

(vi) comfrey extract; and

(h) a long-chain saturated fatty acid ester of ascorbic acid.

15. The cosmetic composition of claim 14 further comprising:

(g) microcapsules comprising in water:

(i) methylsilanol theophyllinacetate alginate; and

(ii) methylsilanol mannuronate; and

(f) caffeine; the microcapsules comprising methylsilanol theophyllinacetate alginate and methylsilanol mannuronate comprising from about 3% to about 7% of the composition and the caffeine comprising from about 0.5% to about 2% of the composition.

16. The cosmetic composition of claim 1 wherein:

(a) the hydrophilic microcapsules comprise:

(i) from about 20% to about 40% glycerin;

(ii) from about 10% to about 20% chitin;

(iii) from about 5% to about 15% sodium lactate;

(iv) from about 5% to about 15% sodium pyrrolidone carboxylate;

(v) from about 1% to about 5% each of glycogen, urea, propylene glycol, and sodium chloride;

(vi) up to about 1% each of glycine, arginine, lysine, histidine, ornithine, placental protein, phenoxyethanol, and chlorphenesin; and

(vii) up to about 0.5% of methylparaben;

(b) the lipophilic microcapsules comprise:

(i) from about 5% to about 15% each of glycosphingolipids, phospholipids, and cholesterol;

(ii) from about 1% to about 5% each of stearic acid, palmitic acid, squalane, and a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof;

(iii) up to about 1% of a diglyceryl succinate of a medium-chain fatty acid selected from the group consisting of caprylic acid, capric acid, and mixtures thereof; and

(iv) from about 60% to about 80% of octyldodecanol;

the moisturizing component comprising from about 0.5% to about 3% of the composition;

(c) the short-chain fatty acid ester of tocopherol comprises from about 0.5% to about 1.5% of the composition;

(d) the glyceryl ester complex comprises from 0.5% to about 2.5% of the composition;

(e) the Aloe vera gel comprises from about 0.1% to about 1% of the composition; and

(f) the chamomile extract comprises from about 0.1% to about 1% of the composition.

18. The cosmetic composition of claim 17 further comprising:

(h) microcapsules comprising from about 40% to about 60% methylsilanol theophyllinacetate alginate and from about 40% to about 60% of methylsilanol

mannuronate in water, the microcapsules comprising from about 3% to about 7% of the composition; and

(i) caffeine comprising from about 0.5% to about 2% of the composition.

19. The cosmetic composition of claim 1 further comprising at least one of:

(f) a lipid-soluble component comprising at least one of the following ingredients: (a) steareth-2; (b) steareth-21; (c) methylgluceth-20 sesquistearate; (d) cetyl alcohol; (e) jojoba oil; (f) benzoic acid ester of C.sub.12 -C.sub.15 alcohols; (g) PPG-14 butyl ether; (h) PPG-15 stearyl ether; (i) dimethicone; (j) a complex of sphingolipids, phospholipids, and octylododecanol; (k) a complex of glyceryl stearate and PEG-100 stearate; (l) PPG-1-isoceteth-3-acetate; (m) laureth-2-benzoate; (n) diisostearyl dimer dilinoleate; (o) a long-chain cis-monounsaturated fatty acid ester of a medium-chain alcohol; (p) a medium-chain saturated fatty acid ester of a long-chain alcohol; and (q) a long-chain fatty acid ester of glycerol;

(g) a solvent component selected from the group of solvents consisting of propylene glycol, 1,3-butylene glycol, and mixtures thereof;

(h) a complex of dextran, glycine, and glucosamine, wherein the dextran comprises from about 70% to about 90% of the complex, the glycine comprises from about 10% to about 20% of the complex, and the glucosamine comprises from about 5% to about 15% of the complex;

(i) a preservative component comprising a complex of propylene glycol, phenoxyethanol, chlorphenesin, and methylparaben; or a complex of phenoxyethanol, methylparaben, ethylparaben, propylparaben, and butylparaben;

(j) trisodium EDTA;

(k) a thickener component;

(l) an emulsifier component comprising a complex of disodium cocoamphodiacetate, sodium lauryl sulfate, sodium laureth sulfate, and propylene glycol; and a complex of disodium cocoamphodiacetate, sodium trideceth sulfate, and hexylene glycol;

(m) magnesium aluminum silicate;

(n) a cationic dimethyldiallyl ammonium chloride homopolymer;

(o) a glycosaminoglycan complex;

(p) polyethylene;

(q) pigment;

(r) fragrance;

(s) a cross-polymer of acrylates and C.sub.10 -C.sub.30 alkyl acrylate;

(t) methylnicotinate; and

(u) triethanolamine.

20. A cosmetic composition comprising: water, and emulsified and dispersed in the water:

(a) a moisturizing component comprising:

(i) hydrophilic microcapsules comprising in water:

(A) glycerin;

(B) chitin;

(C) sodium lactate;

(D) sodium pyrrolidone carboxylate;

(E) glycogen;

(F) urea;

(G) propylene glycol;

(H) sodium chloride;

(I) glycine;

(J) arginine;

(K) lysine;

(L) histidine;

(M) ornithine;

(N) placental protein;

(O) phenoxyethanol;

(P) chlorphenesin; and

(Q) methylparaben; and

(ii) lipophilic microcapsules comprising:

(A) glycosphingolipids;

(B) phospholipids;

(C) cholesterol;

(D) stearic acid;

(E) palmitic acid;

(F) squalene;

(G) a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof;

(H) a diglyceryl succinate of a medium-chain fatty acid selected from the group consisting of caprylic acid, capric acid, and mixtures thereof; and

(I) octyldodecanol; the proportion of hydrophilic microcapsules to lipophilic microcapsules being from about 2:3 to about 3:2;

(b) tocopheryl acetate;

(c) a glyceryl ester complex comprising about 65% to about 85% of glyceryl linoleate, about 5% to about 15% of glyceryl arachidonate;

(d) Aloe vera gel;

(e) chamomile extract;

(f) microcapsules comprising methylsilanol elastinate;

(g) 1,3-butylene glycol;

(h) a complex of propylene glycol, phenoxyethanol, chlorphenesin, and methylparaben, wherein the propylene glycol comprises from about 30% to about 45% of the complex, the phenoxyethanol comprises from about 22% to about 37% of the complex, the chlorphenesin comprises from about 11% to about 22% of the complex, and the methylparaben comprises from about 11% to about 22% of the complex;

(i) trisodium EDTA;

(j) magnesium aluminum silicate;

(k) an emulsifier component comprising:

(i) a complex of disodium cocoamphodiacetate, sodium lauryl sulfate, sodium laureth sulfate, and propylene glycol; and

(ii) a complex of disodium cocoamphodiacetate, sodium trideceth sulfate, and hexylene glycol;

(l) a lipid-soluble component comprising a complex of glyceryl stearate and PEG-100 stearate, wherein the glyceryl stearate comprises from about 40% to about 60% of the complex and the PEG-100 stearate comprises from about 40% to about 60% of the complex;

(m) a cationic dimethyldiallyl ammonium chloride homopolymer;

(n) fragrance;

(o) polyethylene; and

(p) FD & C Blue No. 1.

21. A cosmetic composition comprising: water, and emulsified and dispersed in the water;

(a) a moisturizing component comprising:

(i) hydrophilic microcapsules comprising in water:

(A) glycerin;

(B) chitin;

(C) sodium lactate;

(D) sodium pyrrolidone carboxylate;

(E) glycogen;

- (F) urea;
- (G) propylene glycol;
- (H) sodium chloride;
- (I) glycine;
- (J) arginine;
- (K) lysine;
- (L) histidine;
- (M) ornithine;
- (N) placental protein;
- (O) phenoxyethanol;
- (P) chlorphenesin; and
- (Q) methylparaben; and
- (ii) lipophilic microcapsules comprising:
 - (A) glycosphingolipids;
 - (B) phospholipids;
 - (C) cholesterol;
 - (D) stearic acid;
 - (E) palmitic acid;
 - (F) squalene;
 - (G) a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof;
 - (H) a diglyceryl succinate of a medium-chain fatty acid selected from the group consisting of caprylic acid, capric acid, and mixtures thereof; and
 - (I) octyldodecanol; the proportion of hydrophilic microcapsules to lipophilic microcapsules being from about 2:3 to about 3:2;
- (b) tocopheryl acetate present in a cosmetically effective quantity;
- (c) a glyceryl ester complex comprising about 65% to about 85% of glyceryl linoleate, about 5% to about 15% of glyceryl linolenate, and about 1% to about 5% of glyceryl arachidonate;
- (d) Aloe vera gel;
- (e) chamomile extract;
- (f) microcapsules comprising methylsilanol elastinate;
- (g) propylene glycol;

(h) a complex of propylene glycol, phenoxyethanol, chlorphenesin, and methylparaben, wherein the propylene glycol comprises from about 30% to about 45% of the complex, the phenoxyethanol comprises from about 22% to about 37% of the complex, the chlorphenesin comprises from about 11% to about 22% of the complex, and the methylparaben comprises from about 11% to about 22% of the complex;

(i) a lipid-soluble component comprising:

(i) steareth-2;

(ii) steareth-21;

(iii) methylgluceth-20 sesquistearate;

(iv) cetyl alcohol;

(v) jojoba oil;

(vi) benzoic acid ester of C.sub.12 -C.sub.15 alcohols;

(vii) PPG-14 butyl ether;

(viii) dimethicone;

(ix) a complex of sphingolipids, phospholipids, and octyldodecanol; and

(x) PPG-15 stearyl ether;

(j) xanthan gum;

(k) a complex of dextran, glycine, and glucosamine, wherein the dextran comprises from about 70% to about 90% of the complex, the glycine comprises from about 10% to about 20% of the complex, and the glucosamine comprises from about 5% to about 15% of the complex;

(l) a glycosaminoglycan complex; and

(m) fragrance.

22. A cosmetic composition comprising: water, and emulsified and dispersed in the water;

(a) a moisturizing component comprising:

(i) hydrophilic microcapsules comprising from about 0.5% to about 3% of the composition, the hydrophilic microcapsules comprising in water:

(A) about 20% to about 40% glycerin;

(B) about 10% to about 20% chitin;

(C) about 5% to about 15% each of sodium lactate and sodium pyrrolidone carboxylic acid;

(D) about 1% to about 5% each of glycogen, urea, propylene glycol, and sodium chloride;

(E) up to about 1% each of glycine, arginine, lysine, histidine, and ornithine, such that at least one amino acid is present in the hydrophilic microcapsules;

(F) up to about 1% each of placental protein, phenoxyethanol, and chlorphenesin; and

(G) up to about 0.5% of methylparaben; and

(ii) lipophilic microcapsules comprising from about 0.5% to about 3% of the composition, the lipophilic microcapsules comprising:

(A) about 5% to about 15% each of glycosphingolipids, phospholipids, and cholesterol;

(B) about 1% to about 5% each of stearic acid, palmitic acid, squalane, and a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof;

(C) up to about 1% of a diglyceryl succinate of a medium-chain fatty acid selected from the group consisting of caprylic acid, capric acid, and mixtures thereof; and

(D) about 60% to about 80% of octyldodecanol; the quantities of hydrophilic microcapsules and lipophilic microcapsules being such that the ratio of hydrophilic microcapsules to lipophilic microcapsules is from about 2:3 to about 3:2;

(b) about 0.5% to about 3% of microcapsules comprising methylsilanol elastinate;

(c) about 2.55% to about 3.45% of 1,3-butylene glycol;

(d) about 2.1% to about 2.9% of a complex of propylene glycol, phenoxyethanol, chlorphenesin, and methylparaben, wherein the propylene glycol comprises from about 30% to about 45% of the complex, the phenoxyethanol comprises from about 22% to about 37% of the complex, the chlorphenesin comprises from about 11% to about 22% of the complex, and the methylparaben comprises from about 11% to about 22% of the complex;

(e) about 0.01% to about 0.1% of trisodium EDTA;

(f) about 2.4% to about 3.2% of magnesium aluminum silicate;

(g) about 11.5% to about 15.5% of a complex of glyceryl stearate and PEG-100 stearate, wherein the glyceryl stearate comprises from about 40% to about 60% of the complex and the PEG-100 stearate comprises from about 40% to about 60% of the complex;

(h) about 0.05% to about 0.15% of tocopheryl acetate;

(i) about 0.05% to about 0.15% of a glyceryl ester complex comprising about 65% to about 85% of glyceryl linoleate, about 5% to about 15% of glyceryl linolenate, and about 1% to about 5% of glyceryl arachidonate;

(j) about 13.6% to about 18.4% of a complex comprising disodium cocoamphodiacetate, sodium trideceth sulfate, and hexylene glycol;

(k) about 17% to about 23% of a complex comprising disodium cocoamphodiacetate, sodium lauryl sulfate, sodium laureth sulfate, and propylene glycol;

(l) about 0.35% to about 0.65% of a cationic dimethyldiallyl ammonium chloride homopolymer;

(m) about 0.35% to about 0.65% of Aloe vera gel;

- (n) about 0.35% to about 0.65% of chamomile extract;
- (o) about 0.35% to about 0.65% of fragrance;
- (p) about 12% to about 16% of polyethylene; and
- (q) about 0.01% to about 0.05% of FD & C Blue No. 1.

23. A cosmetic composition comprising: water, and emulsified and dispersed in the water:

(a) a moisturizing component comprising:

(i) hydrophilic microcapsules, the hydrophilic microcapsules comprising from about 0.5% to about 3% of the composition, the hydrophilic microcapsules comprising in water:

(A) about 20% to about 40% glycerin;

(B) about 10% to about 20% chitin;

(C) about 5% to about 15% each of sodium lactate and sodium pyrrolidone carboxylic acid;

(D) about 1% to about 5% each of glycogen, urea, propylene glycol, and sodium chloride;

(E) up to about 1% each of glycine, arginine, lysine, histidine, and ornithine, such that at least one amino acid is present in the hydrophilic microcapsules;

(F) up to about 1% each of placental protein, phenoxyethanol, and chlorphenesin; and

(G) up to about 0.5% of methylparaben; and

(ii) lipophilic microcapsules comprising from about 0.5% to about 3% of the composition, the lipophilic microcapsules comprising:

(A) about 5% to about 15% each of glycosphingolipids, phospholipids, and cholesterol;

(B) about 1% to about 5% each of stearic acid, palmitic acid, squalane, and a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof;

(C) up to about 1% of a diglyceryl succinate of a medium-chain fatty acid selected from the group consisting of caprylic acid, capric acid, and mixtures thereof; and

(D) about 60% to about 80% of octyldodecanol; the quantities of hydrophilic microcapsules and lipophilic microcapsules being such that the ratio of hydrophilic microcapsules to lipophilic microcapsules is from about 2:3 to about 3:2;

(b) about 0.5% to about 3% of microcapsules comprising methylsilanol elastinate;

(c) about 0.4% to about 0.6% of tocopheryl acetate;

(d) about 1.7% to about 2.3% of steareth-2;

(e) about 1.7% to about 2.3% of steareth-21;

- (f) about 0.4% to about 0.6% of methylgluceth-20 sesquistearate;
- (g) about 1.7% to about 2.3% of cetyl alcohol;
- (h) about 3.4% to about 4.6% of jojoba oil; (i) about 5.5% to about 7.5% of benzoic acid ester of C.sub.12 -C.sub.15 alcohol;
- (i) about 1.7% to about 2.3% of PPG-14 butyl ether;
- (j) about 0.15% to about 0.25% of dimethicone;
- (k) about 2.55% to about 3.45% of a complex of sphingolipids, phospholipids, and octyldodecanol, wherein the sphingolipids comprise about 10% to about 19% of the complex, the phospholipids comprise from about 10% to about 19% of the complex, and the octyldodecanol comprises from about 60% to about 80% of the complex;
- (l) about 1.7% to about 2.3% of a glyceryl ester complex comprising about 65% to about 85% of glyceryl linoleate, about 5% to about 15% of glyceryl linolenate, and about 1% to about 5% of glyceryl arachidonate;
- (m) about 3.4% to about 4.6% of PPG-15 stearyl ether; (n) about 2.1% to about 2.9% of a complex of propylene glycol, phenoxyethanol, chlorphenesin, and methylparaben, wherein the propylene glycol comprises from about 30% to about 45% of the complex, the phenoxyethanol comprises from about 22% to about 37% of the complex, the chlorphenesin comprises from about 11% to about 22% of the complex, and the methylparaben comprises from about 11% to about 22% of the complex;
- (o) about 4.25% to about 5.75% of propylene glycol;
- (p) about 0.34% to about 0.46% of xanthan gum;
- (q) about 2.55% to about 3.45% of a complex of dextran, glycine, and glucosamine, wherein the dextran comprises from about 70% to about 90% of the complex, the glycine comprises from about 10% to about 20% of the complex, and the glucosamine comprises from about 5% to about 15% of the complex;
- (r) about 2.55% to about 3.45% of a glycosaminoglycan complex;
- (s) about 0.4% to about 0.6% of Aloe vera gel;
- (t) about 0.4% to about 0.6% of chamomile extract; and
- (u) about 0.2% to about 0.4% of fragrance.

24. A cosmetic composition comprising: water, and emulsified and dispersed in the water:

- (a) a moisturizing component comprising:
 - (i) hydrophilic microcapsules comprising in water:
 - (A) glycerin;
 - (B) chitin;
 - (C) sodium lactate;
 - (D) sodium pyrrolidone carboxylate;
 - (E) glycogen;

- (F) urea;
- (G) propylene glycol;
- (H) sodium chloride;
- (I) glycine
- (J) arginine;
- (K) lysine;
- (L) histidine;
- (M) ornithine;
- (N) placental protein;
- (O) phenoxyethanol;
- (P) chlorphenesin; and
- (Q) methylparaben; and
- (ii) lipophilic microcapsules comprising:
 - (A) glycosphingolipids;
 - (B) phospholipids;
 - (C) cholesterol;
 - (D) stearic acid;
 - (E) palmitic acid;
 - (F) squalene;
 - (G) a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof;
 - (H) a diglyceryl succinate of a medium-chain fatty acid selected from the group consisting of caprylic acid, capric acid, and mixtures thereof; and
 - (I) octyldodecanol; the proportion of hydrophilic microcapsules to lipophilic microcapsules being from about 2:3 to about 3:2;
- (b) tocopheryl acetate;
- (c) a glyceryl ester complex comprising from about 65% to about 85% of glyceryl linoleate, about 5% to about 15% of glyceryl linolenate, and from about 1% to about 5% of glyceryl arachidonate;
- (d) Aloe vera gel;
- (e) chamomile extract;
- (f) microcapsules comprising methylsilanol elastinate;

(g) microcapsules present in a and comprising in water:

(i) methylsilanol theophyllinacetate alginate; and

(ii) methylsilanol mannuronate;

(h) caffeine;

(i) a mixture of plant extracts and plant extractmiscible components and comprising:

(i) witch hazel;

(ii) horsetail extract;

(iii) ivy extract;

(iv) capsicum extract;

(v) a vegetal amino complex comprising from about 25% to about 35% of butcher broom extract, from about 25% to about 35% of propylene glycol, from about 5% to about 15% each of hydrocotyl extract, horse chestnut extract, and panthenol, from about 4% to about 8% of calendula extract, and about 3% to about 6% of yeast extract; and

(vi) comfrey extract;

(j) ascorbyl palmitate;

(k) a cross-polymer of acrylates and C.sub.10 -C.sub.30 alkyl acrylate;

(l) a thickener component comprising:

(i) carrageenan; and

(ii) xanthan gum;

(m) a lipid-soluble component comprising:

(i) PPG-1-isoceteth-3-acetate;

(ii) laureth-2-benzoate;

(iii) diisostearyl dimer dilinoleate;

(iv) isodecyl oleate;

(v) myristyl octanoate; and

(vi) glyceryl stearate;

(n) 1,3-butylene glycol;

(o) a complex of phenoxyethanol, ethylparaben, ethylparaben, propylparaben, and butylparaben, with the phenoxyethanol comprising from about 60% to about 80% of the complex, the methylparaben comprising from about 13% to about 17% of the complex, and the ethylparaben, propylparaben, and butylparaben each comprising from about 4% to about 6% of the complex;

(p) methylnicotinate;

(q) triethanolamine; and

(r) fragrance.

25. A cosmetic composition comprising: water, and emulsified and dispersed in the water;

(a) a moisturizing component comprising:

(i) hydrophilic microcapsules comprising from about 0.5% about 3% of the composition, the hydrophilic microcapsules comprising in water;

(A) from about 20% to about 40% glycerin;

(B) from about 10% to about 20% chitin;

(C) from about 5% to about 15% each of sodium lactate and sodium pyrrolidone carboxylate;

(D) from about 1% to about 5% each of glycogen, urea, propylene glycol, and sodium chloride;

(E) up to about 1% each of glycine, arginine, lysine, histidine, and ornithine, such that at least one amino acid is present in the hydrophilic microcapsules;

(F) up to about 1% each of placental protein, phenoxyethanol, and chlorphenesin; and

(G) up to about 0.5% of methylparaben; and

(ii) lipophilic microcapsules comprising from about 0.5% to about 3% of the composition, the lipophilic microcapsules comprising:

(A) from about 5% to about 15% each of glycosphingolipids, phospholipids, and cholesterol;

(B) from about 1% to about 5% each of stearic acid, palmitic acid, squalene, and a C.sub.10 -C.sub.30 carboxylic acid ester of a sterol selected from the group consisting of cholesterol, lanosterol, and mixtures thereof; and

(C) up to about 1% of a diglyceryl succinate of a medium-chain fatty acid selected from the group consisting caprylic acid, capric acid, and mixtures thereof; and

(D) from about 60% to about 80% of octyldodecanol;

the quantities of hydrophilic microcapsules and lipophilic microcapsules being such that the ratio of hydrophilic microcapsules to lipophilic microcapsules is from about 2:3 to about 3:2;

(b) from about 0.4% to about 0.6% of tocopheryl acetate;

(c) from about 0.4% to about 0.6% of a glyceryl ester complex comprising from about 65% to about 85% of glyceryl linoleate, from about 5% to about 15% of glyceryl linolenate, and from about 1% to about 5% of glyceryl arachidonate;

(d) from about 0.4% to about 0.6% of Aloe vera gel;

(e) from about 0.4% to about 0.6% of chamomile extract;

(f) from about 0.5% to about 3% of microcapsules comprising methylsilanol elastinate;

(g) from about 3% to about 7% of microcapsules comprising in water:

(i) from about 40% to about 60% methylsilanol theophyllinacetate alginate; and

(ii) from about 40% to about 60% methylsilanol mannuronate;

(h) from about 0.5% to about 2% of caffeine;

(i) from about 4.25% to about 5.75% of witch hazel;

(j) from about 0.85% to about 1.15% of horsetail extract;

(k) from about 0.85% to about 1.15% of ivy extract;

(l) from about 2.55% to about 3.45% of capsicum extract;

(m) from about 0.85% to about 1.15% of a vegetal amino complex comprising from about 25% to about 35% of butcher broom extract, from about 25% to about 35% of propylene glycol, from about 5% to about 15% each of hydrocotyl extract, horse chestnut extract, and panthenol, from about 4% to about 8% of calendula extract, and from about 3% to about 6% of yeast extract;

(n) from about 0.85% to about 1.15% of ascorbyl palmitate;

(o) from about 0.73% to about 0.98% of a cross-polymer of acrylates and C.sub.10 - C.sub.30 alkyl acrylate;

(p) from about 0.35% to about 0.55% of carrageenan;

(q) from about 0.25% to about 0.45% of xanthan gum;

(r) from about 5% to about 7% of 1,3-butylene glycol;

(s) from about 3.4% to about 4.6% of PPG-1-isoceteth-3-acetate;

(t) from about 4.2% to about 5.75% of laureth-2-benzoate;

(u) from about 1.25% to about 1.75% of diisostearyl dimer dilinoleate;

(v) from about 1.25% to about 1.75% of isodecyl oleate; (w) from about 3.4% to about 4.6% of myristyl octanoate;

(x) from about 0.1% to about 0.3% of ascorbyl palmitate;

(y) from about 1.7% to about 2.3% of glyceryl stearate;

(z) from about 0.64% to about 0.8% of a complex of phenoxyethanol, methylparaben, ethylparaben, propylparaben, and butylparaben, with the phenoxyethanol comprising from about 60% to about 80% of the complex, the methylparaben comprising from about 13% to about 17% of the complex, and the ethylparaben, propylparaben, and butylparaben each comprising from about 4% to about 6% of the complex;

(aa) from about 0.05% to about 0.1% of methylnicotinate;

(bb) from about 0.1% to about 0.2% of triethanolamine; and

(cc) from about 0.2% to about 0.6% of fragrance.

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)[Generate Collection](#)[Print](#)

L9: Entry 14 of 18

File: USPT

Dec 22, 1998

DOCUMENT-IDENTIFIER: US 5851556 A

**** See image for [Certificate of Correction](#) ****

TITLE: Use of a salt of an alkaline-earth metal as TNF-A or substance P inhibitor in a topical composition and composition obtained

Detailed Description Paragraph Table (3):

Magnesium chloride 5.00 Glycerol stearate 1.00 Cetylstearyl alcohol/oxyethylenated 3.00 cetylstearyl alcohol containing 33 mol EO (Sinnowax AO sold by the company Henkel) Cetyl alcohol 1.00 [Dimethicone](#) (DC 200 Fluid sold by the 1.00 company Dow Corning) Liquid paraffin 6.00 Isopropyl myristate (Estol IPM 1514 3.00 sold by Unichema) Antioxidant 0.05 Glycerin 20.00 Preservative 0.30

Other Reference Publication (4):

Alexander A. Fisher, "Irritant Reactions from Topical Urea Preparations Used for Dry Skin Advantages of a Urea-Free [`Dead Sea Salt`](#) Cream", Current Contact News, vol. 18, pp. 761-772 (1976).

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)[Generate Collection](#)[Print](#)

L9: Entry 16 of 18

File: USPT

May 12, 1998

DOCUMENT-IDENTIFIER: US 5750124 A

**** See image for Certificate of Correction ****

TITLE: W/O/W emulsions

Brief Summary Text (48):

A dimethicone copolyol such as is obtainable under the name DC 193 is likewise advantageously to be used.

Brief Summary Text (94):

Potassium chloride, sodium chloride, magnesium sulphate, zinc sulphate and mixtures thereof are particularly preferred. Salt mixtures such as occur in the naturally occurring salt from the Dead Sea are likewise advantageous.

Detailed Description Paragraph Table (5):

Steareth-20 2.00% cetearyl alcohol 3.00%
vaseline 0.50% wheatgerm oil 1.50% dimethicone 5.00% glycerol 5.00% sodium chloride
3.00% preservative 0.50% water, completely desalinated to 100.00%

Detailed Description Paragraph Table (6):

Dimethicone copolyol 2.00% cetearyl alcohol
3.00% vaseline 0.50% wheatgerm oil 1.50% dimethicone 5.00% glycerol 5.00% sodium
chloride 3.00% preservative 0.50% water, completely desalinated to 100.00%

Detailed Description Paragraph Table (7):

PEG 20-behenate 2.00% stearyl alcohol 3.00%
vaseline 1.00% grapeseed oil 3.00% dimethicone 3.00% sorbitol 5.00% zinc sulphate
3.00% preservative 0.50% water, completely desalinated to 100.00%

Detailed Description Paragraph Table (8):

Decaglyn 1-IS 2.00% stearyl alcohol 3.00%
vaseline 1.00% grapeseed oil 3.00% dimethicone 3.00% sorbitol 5.00% zinc sulphate
3.00% preservative 0.50% water, completely desalinated to 100.00%

Detailed Description Paragraph Table (9):

PEG 20-myristate 2.00% stearyl alcohol 3.00%
vaseline 2.00% castor oil 5.00% dimethicone 5.00% sorbitol 5.00% zinc sulphate
3.00% preservative 0.50% water, completely desalinated to 100.00%

Detailed Description Paragraph Table (10):

Sucrose laurate 2.00% stearyl alcohol 3.00%
vaseline 2.00% castor oil 5.00% dimethicone 5.00% sorbitol 5.00% zinc sulphate
3.00% preservative 0.50% water, completely desalinated to 100.00%

CLAIMS:

4. Emulsions according to claim 1, wherein the emulsifier or emulsifiers A are chosen from the group consisting of

- (a) mixtures of lecithin, fatty alcohols and fatty acids,
- (b) sucrose laureate,
- (c) polyglycerol mono-fatty acid esters, and
- (d) dimethicone copolyols.

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)